

#8

PCT09

RAW SEQUENCE LISTING

DATE: 10/03/2001

PATENT APPLICATION: US/09/787,328A

TIME: 08:22:30

Input Set : A:\ES.txt

Output Set: N:\CRF3\10032001\I787328A.raw

3 <110> APPLICANT: Yu, Long
 4 Zhang, Honglai
 5 Fu, Qiang
 6 Zhao, Yong
 7 Tu, Qiang
 9 <120> TITLE OF INVENTION: NEW HUMAN HEPATOMA-DERIVED GROWTH FACTOR ENCODING SEQUENCE

AND

10 POLYPEPTIDE ENCODED BY SUCH DNA SEQUENCE AND PRODUCING METHOD THEREOF
 12 <130> FILE REFERENCE: 9548.50USWO
 14 <140> CURRENT APPLICATION NUMBER: US 09/787,328A
 C--> 15 <141> CURRENT FILING DATE: 2001-08-23
 17 <150> PRIOR APPLICATION NUMBER: PCT/CN99/00139
 18 <151> PRIOR FILING DATE: 1999-09-06
 20 <150> PRIOR APPLICATION NUMBER: CN 98119758.2
 21 <151> PRIOR FILING DATE: 1998-09-22
 23 <160> NUMBER OF SEQ ID NOS: 8
 25 <170> SOFTWARE: PatentIn version 3.1
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 23
 29 <212> TYPE: DNA
 30 <213> ORGANISM: Artificial Sequence
 32 <220> FEATURE:
 33 <223> OTHER INFORMATION: Synthetic primer for polymerase chain reaction (PCR)
 35 <400> SEQUENCE: 1
 36 accgctcgtc cgcccggtt gag 23
 39 <210> SEQ ID NO: 2
 40 <211> LENGTH: 26
 41 <212> TYPE: DNA
 42 <213> ORGANISM: Artificial Sequence
 44 <220> FEATURE:
 45 <223> OTHER INFORMATION: Synthetic primer for polymerase chain reaction (PCR)
 47 <400> SEQUENCE: 2
 48 gatcctagac atgtataagt ctgcgc 26
 51 <210> SEQ ID NO: 3
 52 <211> LENGTH: 1024
 53 <212> TYPE: DNA
 54 <213> ORGANISM: Homo sapiens
 56 <400> SEQUENCE: 3
 57 accgctcgtc cgcccggtt gagcccgcg gggagcgcg gcaattcgtc ggcccgcggg 60
 59 ggggcgggcct cccggcatct tcgcggcgac caaggactac caggaagggg agcggctggg 120
 61 atggcgcgctc cgcggccccc cgagtacaaa gcgggcgacc tggctctcgc caagatgaag 180
 63 ggctaccgcg actggccggc cgggattgat gaactcccag agggcgctgt gaagcctcca 240
 65 gcaacaagt atcctatctt cttttttggc acccatgaaa ctgcatttct aggtcccaaa 300
 67 gacctttttc catataagga gtacaaagac aagtttgga agtcaaaca acggaaagga 360
 69 tttaacgaag gattgtggga aatagaaaat aaccaggag taaagtttac tggctaccag 420
 71 gcaattcagc aacagagctc ttcagaaact gagggagaag gtggaaatac tgcagatgca 480
 73 agcagtgagg aagaaggtga tagagtagaa gaagatggaa aaggcaaaag aaagaatgaa 540
 75 aaagcaggct caaaacggaa aaagtcatat acttcaaaga aatcctctaa acagtcccgg 600

ENTERED

RAW SEQUENCE LISTING

DATE: 10/03/2001

PATENT APPLICATION: US/09/787,328A

TIME: 08:22:30

Input Set : A:\ES.txt

Output Set: N:\CRF3\10032001\I787328A.raw

```

77 aaatctccag gagatgaaga tgacaaagac tgcaaagaag aggaaaacaa aagcagctct 660
79 gaggggtggag atgcggggcaa cgacacaaga aacacaactt cagacttgca gaaaaccagt 720
81 gaagggacct aactaccata atgaatgctg catattaaga gaaaccacaa gaaggttata 780
83 tgtttggttg tctaattatc ttggatttga tatgaaccaa cacatagtcg ttgttgcat 840
85 tgacagaacc ccagtttgta tgtacattat tcatattcct ctctgttggtg ttccgggggg 900
87 aaaagacatt ttagcctttt ttaaaagtta ctgatttaat ttcatgttat ttggttgcat 960
89 gaagttgccc ttaaccacta aggattatca agatttttgc gcagacttat acatgtctag 1020
91 gatc 1024

```

94 <210> SEQ ID NO: 4

95 <211> LENGTH: 203

96 <212> TYPE: PRT

97 <213> ORGANISM: Homo sapiens

99 <400> SEQUENCE: 4

```

101 Met Ala Arg Pro Arg Pro Arg Glu Tyr Lys Ala Gly Asp Leu Val Phe
102 1 5 10 15
105 Ala Lys Met Lys Gly Tyr Pro His Trp Pro Ala Arg Ile Asp Glu Leu
106 20 25 30
109 Pro Glu Gly Ala Val Lys Pro Pro Ala Asn Lys Tyr Pro Ile Phe Phe
110 35 40 45
113 Phe Gly Thr His Glu Thr Ala Phe Leu Gly Pro Lys Asp Leu Phe Pro
114 50 55 60
117 Tyr Lys Glu Tyr Lys Asp Lys Phe Gly Lys Ser Asn Lys Arg Lys Gly
118 65 70 75 80
121 Phe Asn Glu Gly Leu Trp Glu Ile Glu Asn Asn Pro Gly Val Lys Phe
122 85 90 95
125 Thr Gly Tyr Gln Ala Ile Gln Gln Gln Ser Ser Ser Glu Thr Glu Gly
126 100 105 110
129 Glu Gly Gly Asn Thr Ala Asp Ala Ser Ser Glu Glu Glu Gly Asp Arg
130 115 120 125
133 Val Glu Glu Asp Gly Lys Gly Lys Arg Lys Asn Glu Lys Ala Gly Ser
134 130 135 140
137 Lys Arg Lys Lys Ser Tyr Thr Ser Lys Lys Ser Ser Lys Gln Ser Arg
138 145 150 155 160
141 Lys Ser Pro Gly Asp Glu Asp Asp Lys Asp Cys Lys Glu Glu Glu Asn
142 165 170 175
145 Lys Ser Ser Ser Glu Gly Gly Asp Ala Gly Asn Asp Thr Arg Asn Thr
146 180 185 190
149 Thr Ser Asp Leu Gln Lys Thr Ser Glu Gly Thr
150 195 200

```

153 <210> SEQ ID NO: 5

154 <211> LENGTH: 29

155 <212> TYPE: DNA

156 <213> ORGANISM: Artificial Sequence

158 <220> FEATURE:

159 <223> OTHER INFORMATION: Synthetic primer for polymerase chain reaction (PCR)

161 <400> SEQUENCE: 5

162 ccacggatcc atggcgcgctc cgcggcccc 29

165 <210> SEQ ID NO: 6

166 <211> LENGTH: 29

RAW SEQUENCE LISTING

DATE: 10/03/2001

PATENT APPLICATION: US/09/787,328A

TIME: 08:22:30

Input Set : A:\ES.txt

Output Set: N:\CRF3\10032001\I787328A.raw

167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Synthetic primer for polymerase chain reaction (PCR)
173 <400> SEQUENCE: 6
174 atccgtcgac ttaggtccct tcaactggtt 29
177 <210> SEQ ID NO: 7
178 <211> LENGTH: 29
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Synthetic primer for polymerase chain reaction (PCR)
185 <400> SEQUENCE: 7
186 ccctaagctt atggcgcgctc cgcggccccc 29
189 <210> SEQ ID NO: 8
190 <211> LENGTH: 29
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Synthetic primer for polymerase chain reaction (PCR)
197 <400> SEQUENCE: 8
198 ttccggatcc ttaggtccct tcaactggtt 29

VERIFICATION SUMMARY

DATE: 10/03/2001

PATENT APPLICATION: US/09/787,328A

TIME: 08:22:31

Input Set : A:\ES.txt

Output Set: N:\CRF3\10032001\I787328A.raw

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date